FIG. 1A PRIOR ART

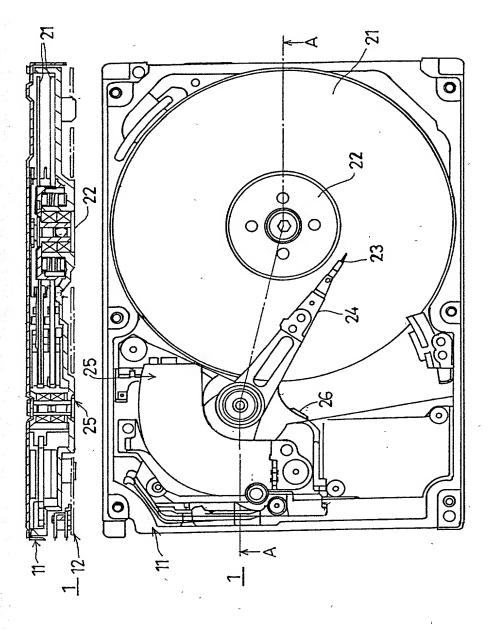


FIG. 1B PRIOR ART

,23

22

SPM

SPM COUNTER -ELECTROMOTIVE VOLTAGE

RAM 36

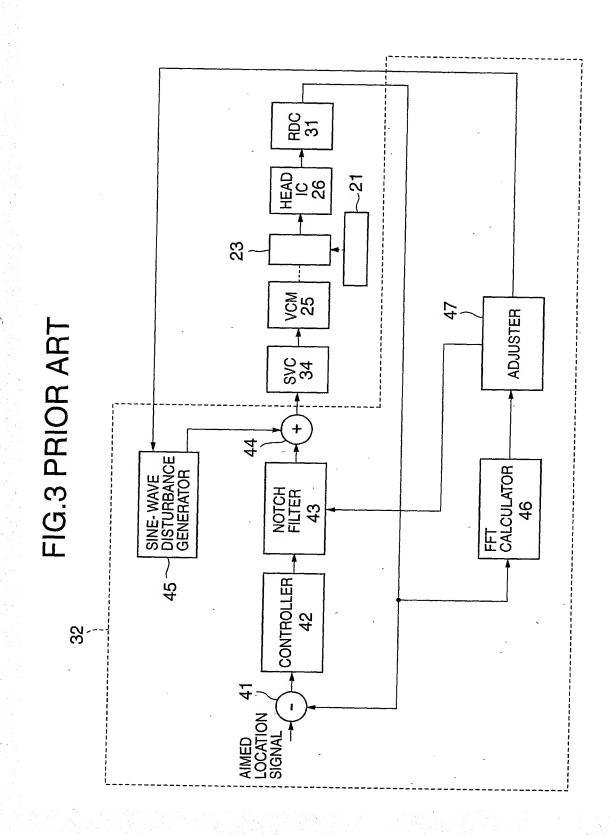
42

DISK

VCM 25 COUNTER -ELECTROMOTIVE

HEAD HEAD IC 26 DE 11 24 VCM VCM RCA 12 RDC 31 SVC 34 MPU 32 37 FLASH ROM 33 공 35

FIG.2 PRIOR ART



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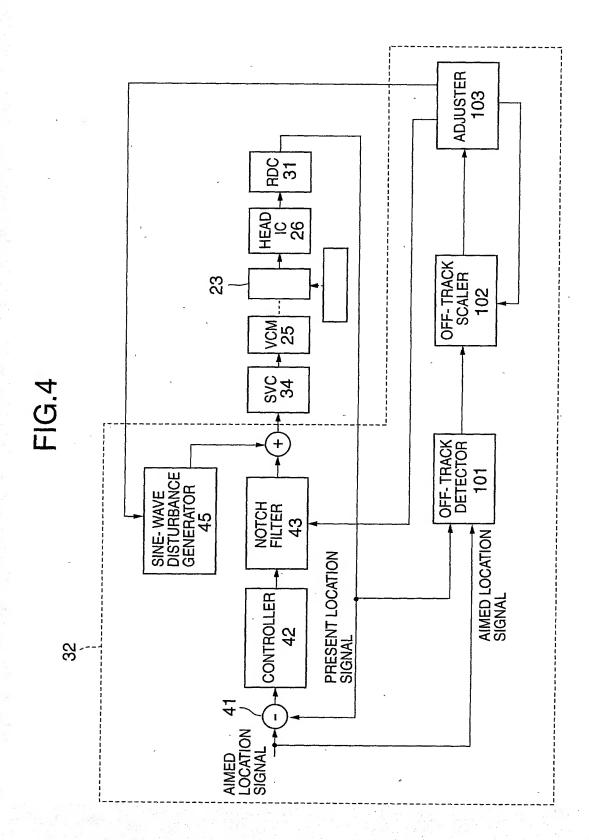


FIG.5

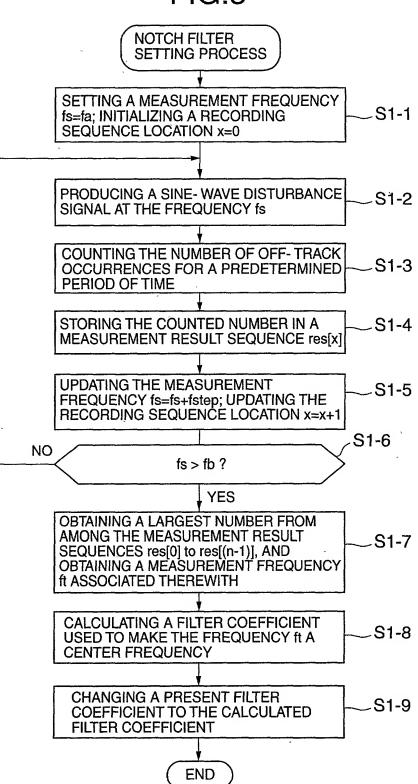
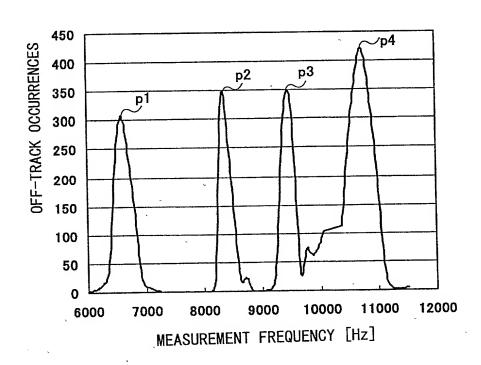
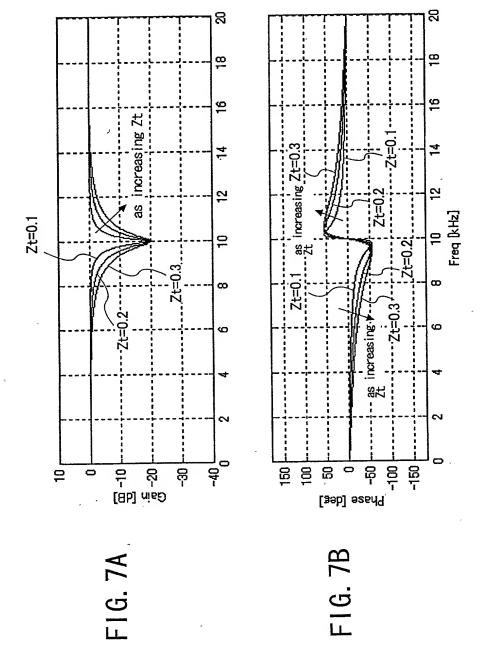
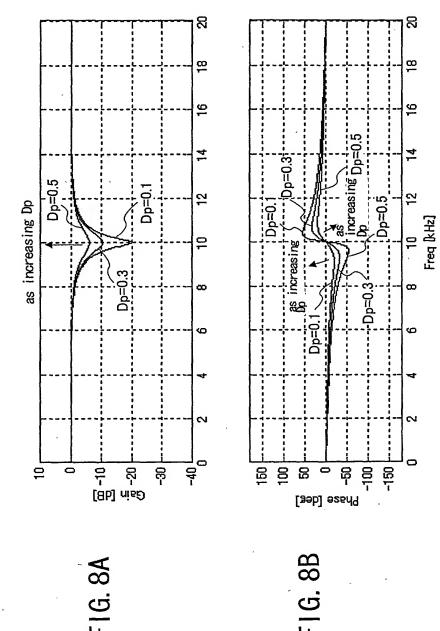


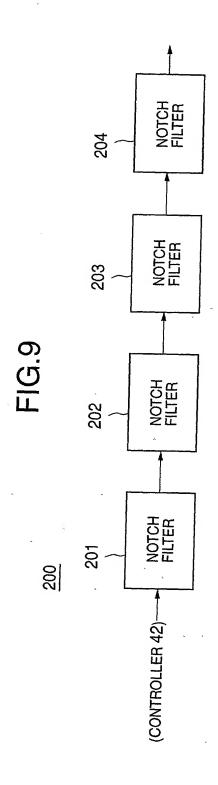
FIG. 6











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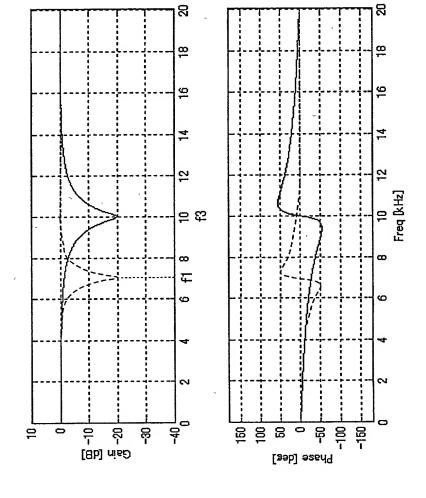
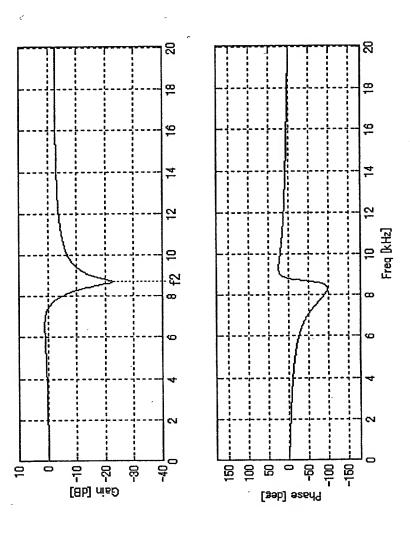


FIG. 10A

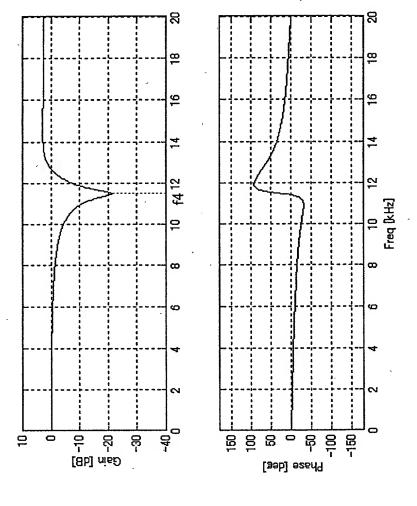
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F1G. 11A



F1G, 11B

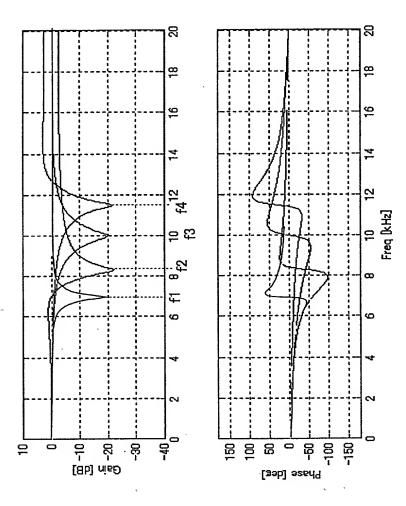
F1G. 12A

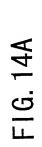


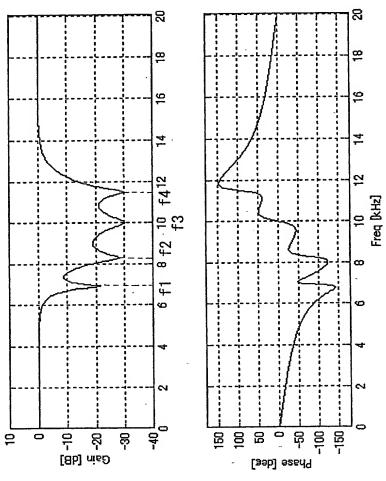
F1G. 12B

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FIG. 13A

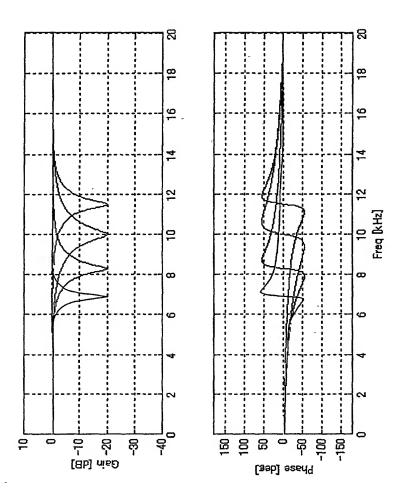






F1G. 14B





RESONANCE-FREQUENCY MEASURING METHOD ... Yoshida et al. Greer, Burns & Crain, Ltd. (Patrick Burns) Ref. No. 0941.66127 Sheet 16 of 16 (312) 360 0080

FIG. 16B

F1G. 16A